

Title (en)

METHOD AND DEVICE FOR SAMPLE INTRODUCTION FOR MASS SPECTROMETRY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PROBENEINGABE FÜR MASSENSPEKTROMETRIE

Title (fr)

PROCÉDÉ ET DISPOSITIF D'INTRODUCTION D'ÉCHANTILLON POUR SPECTROMÉTRIE DE MASSE

Publication

EP 3841607 A4 20220216 (EN)

Application

EP 19855574 A 20190823

Priority

- US 201862722848 P 20180825
- US 201862751683 P 20181028
- CA 2019051162 W 20190823

Abstract (en)

[origin: WO2020041865A1] Methods and devices for generating ionized molecules for analysis in a mass spectrometer are provided. A device comprises a solid substrate having one or more edges for spray ionization, the substrate adapted for receiving extraction phase comprising molecules of interest. The solid substrate may comprise one or more indentations for receiving the extraction phase and desorption solvent. The indentation may extend to one of the edges of the substrate to channel the desorption solution to the edge for spray ionization. The solid substrate may comprise a magnetic portion for retaining magnetic extraction phase deposited thereon. The solid substrate itself may be free of any extraction phase prior to an extraction phase containing the molecules of interest being deposited thereon.

IPC 8 full level

H01J 49/16 (2006.01); **H01J 49/04** (2006.01)

CPC (source: EP US)

H01J 49/0409 (2013.01 - EP US); **H01J 49/165** (2013.01 - EP US)

Citation (search report)

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- [E] WO 2021011797 A1 20210121 - RESTEK CORP [US]
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- See references of WO 2020041865A1

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